

REMARKS

This is in response to the Advisory Action dated September 8, 2011, from Patent Examiner Jurie Yun. After receiving this Advisory Action, the undersigned attorney spoke by telephone on September 13, 2011, to Patent Examiner Jurie Yun.

The substance of this Telephone Interview of September 13, 2011, is that the Patent Examiner stated that all of the "intervening claims" between claim 31 and 34 should be included within claim 34. These "intervening claims" are claims 30, 26, 14 and 12.

For this reason, the undersigned attorney is filing this Supplemental Amendment in which claim 34 is being amended to include claim 31 as well as all of the above noted "intervening claims". Thus claim 34 now specifically recites the structural features of claim 14 as well as claim 31. The "intervening claims" 30, 26, 14 and 12 have now been cancelled.

Also the various minor informalities in claims 7, 8 and 34 have been corrected as follows. This is based upon the Advisory Action dated September 8, 2011.

In claim 7, "a radiation control device" has now been amended to be "the radiation control device". In claim 8, "a line sensor with image processor" has now been amended to be "the line sensor with image processor". In claim 12, "a defect marking

system control device" should be "the defect marking system control device". In response to this, claim 12 has been cancelled, since this feature has been incorporated into claim 34. In claim 14, "a first scanning unit" and "a second scanning unit" should be "the first scanning unit" and "the second scanning unit", respectively. In response to this, claim 14 has been cancelled, since the structure of the first scanning unit and the second scanning unit has been incorporated into claim 34. In claim 34, there is a lack of antecedence for "the defect marking system control device". In response, this has been amended to be "a defect marking system control device".

Moreover claims 15, 16, 17, 19, 20, 21, and 22 have been amended to correct each's dependency from cancelled claim 14 to pending claim 34.

All of the "Remarks" in the Amendment previously filed on August 5, 2011, are herewith repeated, since this Amendment was not entered.

The Applicant wishes to thank Patent Examiner Jurie Yun for the many courtesies extended to the undersigned attorney during the Telephone Interview on June 20, 2011, with the undersigned attorney. The substance of this Telephone Interview is set forth in the Amendment filed August 5, 2011, and in the Examiner Interview Summary mailed June 23, 2011, and repeated in this Amendment.

There was a discussion of the objection to the drawings on Page 2 of the Final Office Action, because the "segment marking" in claim 14 must be shown or cancelled from the claims.

During the Telephone Interview on June 20, 2011, it was explained to the Patent Examiner that the drawings were complete, because the "segment marking" recited by claim 14 was shown in the drawings based upon transponder 8. This is discussed on page 6 in the second paragraph of the present Specification.

Hence this objection to the drawings will be withdrawn based upon this explanation.

During the Telephone Interview on June 20, 2011, there was a discussion to answer the questions on Page 4 of the Final Office Action, as follows.

"How does the defect marking system use or correspond with the radiation emitted by the radiation source?"

"How is 'an irregularity or serious damage' detected by the defect marking system?"

The answer to both of these questions is based upon the fact that the defect marking system, the radiation source, and the emitted radiation are all interconnected by the process computer which is coupled to these various parts either directly, or indirectly, as shown in FIG. 1 of the drawings.

During the Telephone Interview on June 20, 2011, there was a discussion of the rejection of claim 34 on Page 5 of the Final Office Action, under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections.

In response to this rejection, the structural elements of claim 31 and all of the above noted "intervening claims" now have been incorporated into claim 34. It was agreed by the Patent Examiner that this amendment to claim 34 would overcome this rejection under 35 U.S.C. 112. Because claim 34 now includes claim 31, claims 26 and 30 have been cancelled as discussed above. Claims 27 and 28 have been amended to revise the dependency from cancelled claim 26 to independent claim 34.

For all of the above reasons, the Specification, the drawings, and all the claims, are firmly believed to be in complete compliance with all the requirements of 35 U.S.C. 112.


Withdrawal of this ground of rejection is respectfully requested.

Entry and consideration of this Amendment is believed to be proper, because it resolves all the issues in the Final Office Action, and does not raise any new issues requiring any new searching.

A prompt notification of allowability is respectfully requested.

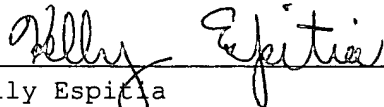
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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on September 27, 2011.


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